

**CLINICAL
EEG**
ELECTROENCEPHALOGRAPHY



**AUTHOR and
SUBJECT INDEX**

VOL. 7. 1976

INDEX OF AUTHORS

- Anderson, Evelyn, 174
Bartlett, Frank, 77
Boshes, Benjamin, 13
Bravo-Fernandez, E.J., 101
Bricolo, Albino, 184
Calhoun, Robert, 49
Carney, Andrew, 174
Cohen, B.A., 101
Conte, William R., 35
Cross, C.J., 49
Demeter, Catherine R., 35
DiVito, Harriette, 145
Drucker-Colin, Rene, 64
El-Fatatry, Mohamed, 73
El-Garem, Omar, 73
Erkulvrawatr, Samard, 139
Feldman, Robert G., 139
Forman, Arthur J., 31
Gerson, Irvin M., 77
Gibbs, Erna L., 149
Gibbs, Frederic A., 149
Hasan, Zainab, 203
Hooshmand, H., 95
Hughes, John R., 13
John, E. Roy, 77
Johnson, Timothy L., 139
Kanakis, Charles, 92
Karacan, Ismet, 4
Kendrick, John F., 170
Koenig, Beronica, 77
Leestma, Jan, 13
Lopez-Hernandez, Arturo, 64
Lundervold, Arne, 203
Matuk, Fairuz F., 208
Metts, James C., Jr., 162
Mikolich, J. Ronald, 49
Muniz, Carlos, 31
Niedermeyer, E., 131
Palmer, F.B., 131
Paulson, George W., 49
Ramani, Venkat, 92
Ramsay, R. Eugene, 31
Resnick, Richard B., 198
Schlagenhauff, Reinhold E., 208
Sepdham, Tauweesuk, 95
Shkurovich Z., Mario, 64
Simon, Robert, 145
Sjaastad, Ottar, 203
Struve, Frederick A., 115
Ugartechea, Juan Carlos, 64
Volavka, Jan, 198
Wilder, B.J., 31
Yarworth, Sandy, 131

INDEX OF SUBJECTS

Vol. 7, No. 1, 2, 3, 4, 1976

- Abscess**, cerebral, and trauma, 194
- ACTH**, and treatment of hypsarhythmia, 149-157
- Affective disturbances**, and IV cannabis, 93
- Age factor** and, average evoked response, 77-91
- cerebro-vascular disease, 163-166
 - fourteen and six positive spikes, 40, 41
 - frontal midline theta, 131, 132
 - hypsarhythmia, 152
 - sleep, 5
 - trauma, 188
- Aggression** and, Jimsonweed intoxication, 49
- leprosy, 75
 - offenders, 35, 36, 38, 44, 48
- Alcohol** and, activation of EEG abnormalities in persons with a history of violence, 145-148
- EEG findings among offenders, 36, 38, 41-43, 45, 47, 48
 - sleep disorder, 8, 9
- Alpha** activity and, coma, 14, 17, 23, 28-30, 193, 196
- Jimsonweed intoxication, 56
 - LAAM, 199, 200
 - lithium toxicity, 32, 33
 - marijuana, 92, 93
 - offenders, 47
 - old age, 77, 78, 85, 86
 - psychiatric patients, 118
 - sleep in insomnia, 5
 - stroke, 102, 105
- Amplitude changes** and, average evoked response in old age, 78
- coma, 13, 14, 28, 30
 - electronic filtering, 144
 - leprosy, 75
 - offenders, 46, 47
 - trauma, 185, 192, 193
 - (See also Asymmetry, Electro-cerebral silence, and Flattening)
- Anastomosis**, and cerebro-vascular disease, 172, 176
- Aneurysm**, and EEG findings, 95-100, 166, 169
- Angiogram**, and cerebro-vascular disease, 166-169
- Announcement**, American Board of EEG, new diplomats, 60
- Anoxia** and, cerebro-vascular disease, 170, 171
- trauma, 193
- Anterior temporal localization** and, alcohol activation, 146, 147
- cerebro-vascular disease, 107
 - headache, 209
 - offenders, 42
 - old age, 78
 - psychomotor seizures, 173
 - spikes, 42, 147, 173, 209
 - (See also Temporal localization)
- Anticonvulsants** and, headache, 208-210
- post-traumatic seizures, 195
- Anxiety** and, EEG abnormality, 123, 125
- sleep disorder, 6, 10
- Aphasia**, and cerebro-vascular disease, 167
- Apnea**, and sleep disorder, 6, 7
- Arteriosclerosis**, and EEG changes, 77, 78, 90
- Artifact** and, alcoholism, 9
- diazepam, 139-144
 - electronic filtering, 139-144
 - trauma, 196
- Assault**, and offenders, 35, 36, 38, 44, 48
- (See also Aggression)
- Asthma**, and sleep stages, 8
- Asymmetry** and, cerebro-vascular disease, 98, 108, 171
- old age, 78, 79, 87, 88
 - psychiatric patients, 118, 119
 - trauma, 189, 194
- Atrophy**, cerebral, and EEG in old age, 77, 90
- Atropine**, and Jimsonweed intoxication, 49-57
- Aureomycin**, and treatment of hypsarhythmia, 150, 152
- Automated EEG analysis** and, average evoked response in old age, 77-91
- psychoactive drugs, 93
 - stroke prognosis, 101-109
- Autonomic changes** and, frontal midline theta, 132-137
- REM sleep, 10
- Average evoked response (AER)**, and normally aging brain, 77-91
- Barbiturates**, and hyperactive children, 9
- Basal ganglia**, and cerebro-vascular disease, 170
- Behavior disorder** and, fourteen and six per second positive spikes, 40
- frontal theta, 132, 133, 135, 137
 - Jimsonweed intoxication, 49
 - leprosy, 75
 - offenders, 35-48
 - psychiatric patients, 115-130
 - sleep, 9, 10
- Belladonna poisoning**, and Jimsonweed intoxication, 49-57

- Beta activity** and, cannabis, 93
— coma, 17
— Jimsonweed intoxication, 51
— (See also Fast activity)
- Birth injury**, and hypsarhythmia, 150
- Blindness**, and frontal midline theta, 132, 135
- Brain scan**, and cerebro-vascular disease, 165, 167-169
- Brain stem** and, cerebro-vascular disease, 171, 172
— trauma, 188
- Bruxism**, and sleep stages, 8, 11, 12
- Burglary**, and EEG findings, 35, 36, 38
- California Achievement Test**, and EEG among offenders, 37, 39, 40, 44, 45
- Cannabis**, IV, and effect on human EEG, 92-94
- Cardiac arrest**, and coma, 16, 18, 22
- Cardiovascular disease** and, old age, 78
— sleep disorders, 8
- Carotid artery** and, cerebro-vascular disease, 166, 169-177
— compression in cluster headache, 205
- Cataplexy**, and sleep disorders, 4, 6
- Central localization** and, behavior disorder, 135
— cerebro-vascular disease, 170
— coma, 18
— K-complex, 9
— spikes, 18, 135, 191
— trauma, 191
- Centrencephalic epilepsy**, and frontal midline theta rhythm, 137
- Cephalgia** and, ipsilateral epileptogenic foci, 208-213
— (See also Headache)
- Cerebellum** and, cerebro-vascular disease, 171
— coma, 16
— Ramsay-Hunt syndrome, 64-72
- Cerebro-vascular disease** and, automated EEG analysis, 101-109
— coma, 16
— EEG in assessment and management, 162-183
— spontaneous subarachnoid hemorrhage, 95-100
— trauma, 188, 189, 191, 194
- Chloral hydrate**, and hyperactive children, 9
- Cholesterol**, and cerebro-vascular disease, 164, 167, 168
- Chorea** and, sleep 8
— slowing, 44
- Chronic brain syndrome**, and evoked potential, 77
- Clonazepam**, effect on myoclonus in Ramsay-Hunt syndrome, 64-72
- Cluster headache**, EEG investigation, 203-207
- Coma** and, cerebro-vascular disease, 171
— electro-clinical and pathologic correlations, 13-30
— Jimsonweed intoxication, 49-51, 56
— sleep, 101, 171
— trauma, 101, 187-194
- Computer EEG analysis** and, average evoked response in old age, 77-91
— psychoactive drugs, 93
— stroke prognosis, 101-109
- Confusion** and, cerebro-vascular disease, 168
— old age, 80-82
- Control subjects** and, automatic EEG analysis, 103, 105
— cannabis, 92-94
— frontal midline theta, 131
— leprosy, 73
— offenders, 40-43, 47
- CRAGs**, cerebral radioangiograms, and coma, 16, 18, 19, 27, 29, 30
- Crime** and, alcohol activation of EEG, 145-148
— commitment data correlated with EEG, 35-48
- Cushing's syndrome**, and sleep, 10
- Datura family plants**, Jimsonweed intoxication, 49-57
- Death** and, cerebro-vascular disease, 162-164, 169
— coma, 17, 18, 22, 27
— trauma, 185, 188, 190, 193
- Delirium tremens**, and REM sleep, 8
- Delta activity** and, cerebro-vascular disease, 95-99, 106-109, 167, 170, 171
— coma, 13, 14, 17, 20, 26
— Jimsonweed intoxication, 51, 57
— old age, 77, 78, 85, 86, 91
— sickle cell anemia, 95-99
— trauma, 188, 189, 192, 193, 196
— (See also Slow activity)
- Delta-9-tetrahydrocannabinol**, IV, effect on human EEG, 92-94
- Depression** and, EEG in psychiatric patients, 116, 120-122
— lithium toxicity, 31-34
— old age, 80-82
— sleep disorder, 7, 8
- Depth electrode studies**, and cannabis, 93
- Diabetes** and, cerebro-vascular disease, 164, 167, 168
— impotence, 11
- Diazepam** and, fast activity in Jimsonweed intoxication, 51, 56
— muscle artifact, 139-144
- Diphenylhydantoin**, and headache, 208
- Dizziness**, and frontal midline theta, 132, 136
- Dreaming** and, anxiety attacks, 6
— narcolepsy, 6
— REM sleep, 10, 194
— trauma, 194
— (See also REM sleep)

- Drugs and, ACTH treatment of**
 hypsarhythmia, 149-157
 — alcohol activation of EEG, 145-148
 — Aureomycin treatment of hypsarhythmia, 150, 152
 — cannabis effect on human EEG, 92-94
 — coma, 16, 19, 28
 — diazepam and muscle artifact, 139-144
 — headache, 208
 — Jimsonweed intoxication, 49-57
 — LAAM effect on EEG, 198-202
 — lithium toxicity, 31-34
 — methadone effect on EEG, 198-202
 — offenders, 35, 36, 38, 41-48
 — Ramsay-Hunt syndrome, 64-72
 — sleep disorder, 7, 9
- Dyssynergia Cerebellaris Myoclonica**, and sleep alterations, 64-72
- Echoencephalogram**, and cerebro-vascular disease, 165, 168, 169
- ECS, electrocerebral silence**, and coma, 17-19, 22-30
 — trauma, 184, 185, 188, 190, 192, 193
- Editorial**, reproduction of illustrations, 62
- Embolism**, and cerebro-vascular disease, 171, 172
 — trauma, 192, 193
- Emotional lability**, and AER in old age, 80-82
- Encephalitis** and, hypsarhythmia, 150-152, 155
 — Jimsonweed intoxication, diagnosis 51, 56, 57
- Endocrine dysfunction**, and psychiatric disorder, 116, 118, 121, 124
- Enuresis**, and sleep stages, 8
- Epilepsy** and, frontal theta, 131-136
 — hypsarhythmia treatment with ACTH, 149-157
 — migraine, 208, 210
 — psychiatric disorder, 116, 117, 119, 120, 123, 124, 126-128
 — psychomotor seizures, 173
 — sleep stages, 8, 9
 — trauma, 189-191, 194, 195, 197
 — (See also Seizures)
- Epileptiform discharges** and, cephalgia, 208, 209
 — coma, 13, 17, 18
 — muscle artifact, 140, 142
 — (See also Sharp waves and Spikes)
- Euphoria**, and cannabis, 93
 — lithium toxicity, 31
- Evoked potential**, and normally aging brain, 77-91
- Fast activity** and, cannabis, 93
 — coma, 17
 — drugs, 33, 45, 48, 51, 93
 — Jimsonweed intoxication, 51
 — leprosy, 75, 76
 — lithium toxicity, 33
 — offenders, 36-40, 42, 44-48
 — psychiatric patients, 117, 118
 — Ramsay-Hunt syndrome, 67
- Fat embolism**, cerebral, and trauma, 192, 193
- Fever**, and Jimsonweed intoxication, 49-51, 56, 57
- Filtering**, electronic, and muscle artifacts, 139-144
- Flattening of EEG** and, coma, 17-19, 21-30
 — hydrocephalus, 189
 — trauma, 184, 185, 188, 190, 192, 193
- Focal seizures** and, frontal midline theta, 136
 — trauma, 190
- Fourteen and six per second positive spikes** and, alcohol, 41, 146, 147
 — cannabis, 93
 — cluster headache, 204
 — control subjects, 40, 41, 47
 — drugs, 41, 48
 — leprosy, 75
 — offenders, 36-42, 45-48
 — psychiatric patients, 117
- Frontal localization** and, cerebro-vascular disease, 107, 170
 — coma, 18
 — leprosy, 75
 — midline theta rhythm, 131-138
 — offenders, 42
 — psychiatric patients, 122
 — spikes, 18, 42
- Grand mal seizures** and, frontal midline theta, 136
 — trauma, 190-192
 — (See also Seizures)
- Grave's disease**, and EEG abnormality, 121
- Habituation**, EEG and old age, AER, 79, 88
- Hallucinations** and, Jimsonweed intoxication, 49-57
 — narcolepsy, 4-6
 — schizophrenia, 7
 — sleep disorders, 4-7
- Headache** and, cluster and EEG, 203-207
 — epileptogenic foci, 208-213
 — frontal midline theta rhythm, 132-137
 — offenders, 37, 39, 44
 — trauma, 194
 — unilateral cephalgia with ipsilateral epileptogenic foci, 208-213
- Head injury** and, coma, 13, 16
 — EEG findings, 184-197
 — offenders, 37, 39
 — sleep patterns, 101
- Hematoma**, and trauma, 188, 189, 191, 194
- Hemiplegia** and, cerebro-vascular disease, 107, 108, 165, 168, 171

- sickle cell anemia, 95
- Hemisphere concordance**, and old age, 86-91
- Hemisphere localization**, and cerebro-vascular disease, 170-172
- Hemorrhage**, and EEG findings, 16, 95-100, 166, 169, 171
 - (See also Cerebro-vascular disease)
- Hepatic disease**, and coma, 18
- Heredity**, and Ramsay-Hunt syndrome, 64-72
- Histaminic cephalgia**, and EEG, 203-207
- Homicide**, and EEG findings, 35, 36, 38, 44, 48
- Hormone**, growth, and sleep stages, 10
- Horton's headache**, and EEG, 203-207
- Humps** and, K-complexes, 9
 - LAAM, 200, 201
- Hydrocephalus**, and trauma 189
- Hyperactive children**, and sleep disorder, 9, 10
- Hypersomnia**, and sleep stages, 6
- Hypertension** and, cerebro-vascular disease, 95-100, 164, 167, 168
- Hyperthermia**, and Jimsonweed intoxication, 49-51, 56, 57
- Hyperventilation**, and headache, 205, 207, 210
- Hypothyroidism**, and psychiatric disorder, 116
- Hypoxia**, and coma, 16, 22, 29, 30
- Hypsarhythmia**, follow-up of ACTH treated and untreated cases, 149-157
- Hysteria**, and psychiatric symptoms with EEG abnormality, 123-128
- Illustrations**, reproduction, 62
- Infantile spasms**, and treatment with ACTH, 149
 - (See also Hypsarhythmia)
- Infection**, and coma, 16
 - (See also Encephalitis)
- Insomnia**, and sleep stages, 4, 5, 7
- Ischemia** and, cerebro-vascular disease, 166, 171, 176
 - headache, 203
 - trauma, 189
- Jacksonian seizures**, and trauma, 190
- Jimsonweed**, intoxication, neurologic and EEG effects, 49-57
- K-complexes** and, bi-parietal humps, 9
 - LAAM, 200, 201
- Kleine-Levin syndrome**, and sleep stages, 6
- Kojevnikov's epilepsy**, and trauma, 190
- LAAM**, and methadone effects on human EEG, 198-202
- L-alpha-acetylmethadol**, and methadone effects on human EEG, 198-202
- Lambda waves**, and Jimsonweed intoxication, 51, 57
- Leprosy**, and EEG changes in Egyptian patients, 73-76
- Limbic system**, and IV cannabis, 93
- Lithium**, toxicity with low serum levels, 31-34
- Longitudinal EEG** and, cerebro-vascular disease, 171
 - trauma, 196
- Manic-depression**, and lithium toxicity, 31-34
 - (See also Depression)
- Marijuana** and, effect on human EEG, 92-94
 - offenders, 35
- Medical legal aspects**, and trauma, 196, 197
- Memory impairment** and, Jimsonweed intoxication, 49
 - old age, 77-82, 91
- Meningitis**, and trauma, 194
- Mental retardation** and, fourteen and six per second positive spikes, 40
 - frontal midline theta, 136
 - hypsarhythmia, 149, 152-157
 - Ramsay-Hunt syndrome, 64
- Mesencephalic syndrome**, and trauma, 188
- Metabolic dysfunction** and, cerebral fat embolism, 192
 - cluster headache, 206
 - coma, 16
 - psychiatric disorder, 116-118, 121, 124
- Methadone**, and LAAM effects on human EEG, 198-202
- Mid-brain**, and cerebro-vascular disease, 170, 171
- Mid-temporal localization** and, alcohol activation, 146
 - headache, 209
 - spikes, 209
 - (See also Temporal localization)
- Migraine** and, cluster headache, 206
 - epilepsy, 208
- Mitten pattern** and, alcohol activation, 146, 147
 - control subjects, 43, 47
 - offenders, 36-40, 42-44, 47, 48
 - psychiatric patients, 117
- Multiple spike and wave** and, petit mal vs. hysteria, 129
 - Ramsay-Hunt syndrome, 65
- Multiple spike foci**, and hypsarhythmia, 153
- Muscle artifact** and, alcoholism, 9
 - electronic filtering vs. intravenous diazepam, 139-144
- Myoclonic movements** and, cerebro-vascular disease, 171
 - frontal theta rhythm, 136
 - Jimsonweed intoxication, 50, 56
- Myoclonus**, and Ramsay-Hunt syndrome, 64-72
- Narcolepsy**, and sleep disorders, 4-6
- Nausea**, and headache, 203, 211
- Neurotraumatology**, and-EEG, 184-197
- Night terrors**, and sleep stages, 6, 7, 10
- Normal activity** and, alcohol activation, 146

- cerebro-vascular disease, 95, 96, 99, 167, 169-171
- cluster headache 204-206
- coma, 13
- Jimsonweed intoxication, 57
- leprosy, 73, 75, 76
- offenders, 36-40, 46, 47
- psychiatric screening, 116, 117, 121
- sickle cell anemia, 95, 96, 99
- thyroid treatment, 116
- trauma, 185, 192-196
- Normal subjects** and, average evoked response in aging brain, 77-91
 - sleep, 5, 9, 10
 - (See also Control subjects)
- Occipital localization** and, blindness, 132, 135
 - cerebro-vascular disease, 171
 - coma, 18
 - Jimsonweed intoxication, positive waves, 51, 57
 - PGO activity in sleep, 9
 - spikes, 18, 132, 135
 - trauma, 189
- Offenders**, and EEG correlated with commitment data, 35-48
- Pain** and, epileptogenic foci, 208-213
 - frontal midline theta, 136
 - response in coma, 24, 26, 29, 30
 - (See also Headache)
- Parkinson's disease**, and sleep, 8
- Penile erection**, and sleep, 9, 10, 11
- Petit mal seizures** and, frontal midline theta, 136, 137
 - psychiatric disorder, 119, 123, 126, 128, 129
 - trauma, 195
- PGO activity**, and sleep studies, 9
- Phenobarbital**, and Ramsay-Hunt syndrome, 64, 65, 68
- Phenylketonuria**, and hypsarhythmia, 151, 152
- Photoc stimulation** and, headache, 204, 206, 207, 210
 - old age, 79, 83
 - Ramsay-Hunt syndrome, 67
- Pickwickian syndrome**, and sleep stages, 6
- Pneumocephalus**, and trauma, 194
- Polyspike wave** and, Jimsonweed intoxication, 57
 - petit mal, 129
 - Ramsay-Hunt syndrome, 65
- Pons**, and trauma, 188
- Pregnancy**, and sleep stages, 7, 8
- Psychiatric disorder** and, treatment among offenders, 37, 39-41, 43
 - value of routine EEGs, issue of referrals, 115, 130
- Psychometric tests**, and old age, 89, 90
- Psychomotor seizures** and, alcohol activation, 147
 - frontal theta, 131, 136
 - spike focus, 173
- Psychomotor variant** and, alcohol activation, 146, 147
 - offenders, 42
 - psychiatric patients, 118, 119
- Pupillary changes**, and Jimsonweed intoxication, 49, 50, 56
- Racial factor**, and cerebro-vascular disease, 163-167
- Ramsay-Hunt syndrome**, and sleep alterations, effects of Clonazepam on myoclonus, 64-72
- Reflexes** and, coma, 15, 23-30
 - lithium toxicity, 32
- REM sleep** and alcoholism, 8
 - anxiety attacks, 6, 10
 - autonomic changes, 10
 - cardiac disease, 8
 - depression, 7
 - dreams, 6, 10
 - epilepsy, 9
 - insomnia, 5
 - Kleine-Levin syndrome, 6
 - narcolepsy, 6
 - Pickwickian syndrome, 6
 - Ramsay-Hunt syndrome, 64-68
 - schizophrenia, 7
 - trauma, 194
- Renal disease**, and coma, 18
- Respiration** and, coma, 16, 18, 22, 28, 30
 - intravenous diazepam, 140
 - sleep disorders, 7, 8, 10, 11
- Reticular activation system**, and Jimsonweed intoxication, 56
- Rivotril**, and Ramsay-Hunt syndrome, 64-72
- Robbery**, and EEG findings, 35, 36, 38
- Schizophrenia**, and sleep stages, 7
- Sedatives** and, EEG among offenders, 40, 44
 - sleep disorders, 7
- Seizures** and, alcohol activation, 147
 - cerebro-vascular disease, 171
 - coma, 18
 - frontal theta, 131-137
 - hypsarhythmia, 149-157
 - Jimsonweed intoxication, 50, 56
 - migraine, 208, 210
 - offenders, questionable, 35, 37, 39, 40, 42, 43, 48
 - psychiatric patients, 116, 117, 119, 120, 123, 124, 126, 128, 129
 - psychomotor, 173
 - Ramsay-Hunt syndrome, 64-72
 - sickle cell anemia, 95
 - sleep stages, 8, 9
 - subclinical electrical, 190

- trauma, 189-192, 194, 195, 197
- (See also Centrencephalic, Focal, Grand mal, Infantile spasms, Jacksonian, Myoclonic, Myoclonus, Petit mal, Psychomotor, and Status epilepticus)
- Senile dementia**, and evoked response, 77, 82, 85-91
- Serial EEG** and, cerebro-vascular disease, 171
 - trauma, 196
- Sex factor** and, cerebro-vascular disease, 163-166
 - headache, 203-207
 - sleep disorders, 9, 10, 11
- Sharp waves** and, coma, 18, 20
 - headache, 204, 209, 211
 - Jimsonweed intoxication, 51, 56
 - LAAM, 200, 201
- Shunt**, carotid, and EEG in cerebro-vascular disease, 172, 175, 176
- Sickle cell anemia**, subarachnoid hemorrhage and EEG findings, 95-100
- Sigma waves**, (See Spindles)
- Silent EEG** and, coma, 17-19, 22-30
 - trauma, 184, 188, 190, 192, 193
- Six per second positive spikes** and, cluster headache, 204
 - leporosy, 75
 - (See also Fourteen and six)
- Six per second spike and wave**, and psychiatric patients, 118
- Sleep** and, alcoholism, 8, 9
 - anxiety attacks, 6, 10
 - autonomic dysfunction, 10
 - cerebro-vascular disease, 170-171
 - classification system, 4
 - clinical disorders, 4-12
 - clonazepam with myoclonus, 64-72
 - coma, 101, 171
 - depression, 7, 8
 - dreams, 6, 10, 194
 - enuresis, 8
 - epilepsy, 9
 - growth hormone, 10
 - hyperactive children, 10
 - hypersarhythmia, 156
 - insomnia, 5
 - Jimsonweed intoxication, 56
 - Kleine-Levin syndrome, 6
 - LAAM, 200-202
 - modified disorders, 4, 8, 9
 - narcolepsy, 4-6
 - offenders, 40, 42, 47
 - paralysis, 5, 6
 - Pickwickian syndrome, 6
 - psychiatric disorders, 117
 - Ramsay-Hunt syndrome, 64-72
 - schizophrenia, 7
 - secondary disorders, 4, 7, 8
 - talking, 8
 - trauma, 101, 171, 184, 187, 188, 194
 - walking, 8
 - (See also REM sleep)
- Slow activity** and, alcohol, 45, 46, 145, 146, 147
 - cerebro-vascular disease, 95-99, 102, 105-109
 - coma, 13, 14, 17, 20, 22, 26, 29, 30
 - diphasic, 184-188
 - frontal midline, 131-138
 - headache, 204, 205, 207, 208, 210, 211
 - Jimsonweed intoxication, 51-57
 - LAAM, 198-202
 - leprosy, 75, 76
 - lithium toxicity, 31
 - marijuana, 93
 - monophasic, 184, 185, 187
 - offenders, 36-40, 43-45, 47, 48
 - old age, 77, 78, 85, 86, 90, 91
 - psychiatric patients, 116, 118-122, 127
 - sickle cell anemia, 95-99
 - sleep disorders, sleep stages, 4, 5, 7, 8, 10
 - trauma, 185-189, 192-196
 - tumor, 116
 - (See also Delta and Theta activity)
- Small sharp spikes** and, alcohol activation, 146, 147
 - control subjects, 42, 47
 - frontal midline theta, 135
 - offenders, 36-40, 42, 43, 47, 48
 - psychiatric patients, 118
- Speech disturbance** and, cerebro-vascular disease, 167
 - lithium toxicity, 31, 33
 - Ramsay-Hunt syndrome, 64
- Spike and wave** and, Jimsonweed intoxication, 51, 56, 57
 - offenders, 41
 - psychiatric patients, 118-123, 125
 - Ramsay-Hunt syndrome, 65, 67
 - trauma, 189, 192, 195
- Spike-like activity** and, alcohol activation 146, 147
 - offenders, 40, 42
 - (See also Sharp Waves and Spikes)
- Spikes** and, alcohol, 41, 146, 147
 - artifact, 140, 142
 - cannabis, 93
 - cerebro-vascular disease, 170
 - coma, 13, 17, 18
 - control subjects, 40-42, 47
 - drugs, 41, 48, 51, 56, 57, 93
 - frontal midline theta, 132, 134, 135
 - headache, 204, 208, 209, 211
 - Jimsonweed intoxication, 51, 56, 57
 - leprosy, 75, 76
 - offenders, 36-48
 - PGO activity, 9
 - psychiatric patients, 117-123, 125, 126, 128, 129

- psychomotor seizures, 173
- Ramsay-Hunt syndrome, 65, 67
- sickle cell anemia, 95, 96
- trauma, 189-191, 195
- (See also Anterior temporal, Central, Fourteen and six, Frontal, Hypsarhythmia, Mid-temporal, Multiple, Occipital, Psychomotor variant, Six per second spike and wave, Small sharp spikes, Spike and wave, Temporal, and Three per second spike and wave)
- Spindles**, sleep, and, cerebro-vascular disease, 102, 105, 170, 171
 - coma, 14, 17, 18, 27, 29, 30, 170, 171
 - trauma, 184, 185, 187, 188
- Status epilepticus**, and trauma, 190, 192
- Stenosis**, and cerebro-vascular disease EEG findings, 166, 169, 171, 174, 177, 178
- Stimulants**, and sleep disorders, 7
- Stroke** and, automated EEG analysis, 101-109
 - and EEG assessment, 162-183
 - (See also Cerebro-vascular disease)
- Subarachnoid hemorrhage**, EEG findings, 95-100
 - (See also Cerebro-vascular disease)
- Subclavian artery**, cerebro-vascular surgery, 176, 178, 179, 182
- Succinylcholine**, and coma, 16, 19, 28
- Suppression bursts**, and coma, 17, 18, 21, 30
 - (See also Flattening)
- Surgery** and, cerebro-vascular disease, 172-182
 - epilepsy in trauma, 195
- Sydenham's chorea**, and slowing, 44
- Syncope**, and frontal midline theta, 132, 136
- Tachycardia** and, IV cannabis, 93
 - night terrors, 7
- Telephone transmission** of EEG, guide lines and minimum standards, 63, 113
- Temporal localization** and, alcohol activation, 145, 146, 147
 - atropine activation, 56
 - cerebro-vascular disease, 107, 170, 171
 - epilepsy, 136, 173
 - frontal theta, 135, 136
 - headache, 208, 209, 211
 - leprosy, 75
 - offenders, 42
 - old age, 78
 - phenylketonuria, 135
 - psychiatric disorder, 116
 - spikes, 42, 75, 147, 173, 209, 211
 - trauma, 189, 191, 195
 - (See also Anterior temporal and Mid-temporal)
- Thalamus**, and cerebro-vascular disease, 170, 171
- Theta activity** and, cerebro-vascular disease, 102, 105, 170, 171
 - coma, 14, 17, 20, 22, 29, 30
 - frontal midline, 131-138
 - headache, 204, 208
 - LAAM, 199, 200
 - leprosy, 75
 - old age, 85, 86
 - trauma, 189, 192, 193
 - (See also Slow activity)
- Three per second spike and wave** and, trauma, 195
- Thrombosis**, and EEG findings, 166, 169, 171
- Thyroid disorder** and, psychiatric patients, 116, 117, 121, 122
- Tilt table**, and cerebro-vascular disease, 172
- Tomography**, and cerebro-vascular disease, 172
- Tranquilizers**, and sleep disorders, 7
- Trauma**, head, and, coma, 13, 16
 - EEG findings, 184-197
 - offenders, 37, 39
 - sleep patterns, 101
- Tremor**, and lithium toxicity, 32
- Trigeminal neuralgia**, and EEG abnormality, 210, 211
- Triphasic waves**, and coma, 17, 18
- Tumor**, and psychiatric symptoms, 116, 122, 124
- Vascular disease**, (See Cerebro-vascular disease)
- Vertebral artery** and, cerebro-vascular disease, 170-181
- Vertex sharp waves**, and LAAM, 200, 201
- Violence** and, alcohol activation 145-148
 - Jimsonweed intoxication, 49
 - offenders, 35, 36, 38, 44, 45, 48
- Visual symptoms** and, frontal midline theta, 132, 135
 - headache, 210, 135
 - Jimsonweed intoxication, 49, 50, 56
- Voltage suppression** and, cerebro-vascular disease, 166, 170, 171
 - coma, bursts, 17, 18, 21, 30
 - leprosy, 75, 76
 - (See also Asymmetry, ECS, and Flattening)
- Vomiting** and, frontal midline theta, 132, 136
 - headache, 203, 211
- West's syndrome**, treatment with ACTH, 149-157





